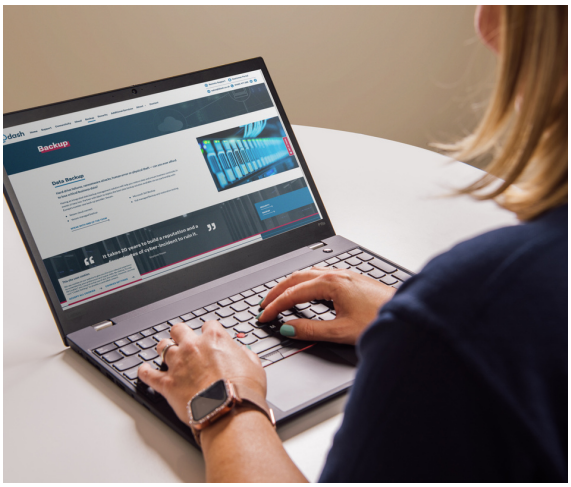
DISASTER RECOVERY STRATEGIES

for On-Prem and Cloud Solutions



In an increasingly digital world, organisations rely heavily on their IT infrastructure to function efficiently. However, the potential for disasters, whether natural or man-made, can disrupt these operations, leading to data loss and costly downtime. This makes disaster recovery strategies crucial for ensuring business continuity. Two primary approaches for disaster recovery are on-prem and cloud solutions. In this article, we will explore these strategies and their respective benefits.

On-Prem

On-prem disaster recovery refers to the practice of creating and managing a backup infrastructure within an organisation's physical premises. Where possible, a degree of physical separation is also employed. This allows for protection from localised fire or electrical failure.

Further protection can be gained in a self managed environment by placing the redundant equipment at another location, with enough geographical separation to protect the equipment from being affected by widespread outages in the local area.

Local Control: With on-prem solutions, organisations have full control over their disaster recovery infrastructure. They can design, implement, and manage it according to their specific needs and compliance requirements.

Cloud

Cloud disaster recovery leverages the scalability and flexibility of cloud computing platforms to safeguard critical data and applications. Here are some of the key benefits of cloud-based disaster recovery:

Cost-Efficiency: Cloud disaster recovery eliminates the need for large upfront capital investments. Instead, organisations pay for the resources they use, making it a more cost-effective option for many businesses.

On-Prem

Data Sovereignty: Is a legal concept that defines jurisdiction over data. It refers to an organisations right to maintain their own data. This is particularly important for businesses with strict data privacy and regulatory requirements.

Higher Initial Costs: Building and maintaining an on-prem disaster recovery infrastructure can be expensive. It involves investing in hardware, software, and skilled personnel. It's not always cost-effective for small or mid-sized businesses.

Scalability Challenges: Scalability can be a challenge with on-prem solutions. As the organisation grows, it may require significant capital investments to expand the disaster recovery capabilities.

Cloud

Scalability: Cloud solutions are highly scalable, allowing organisations to adjust their disaster recovery resources as needed. This flexibility is especially useful for companies with fluctuating workloads.

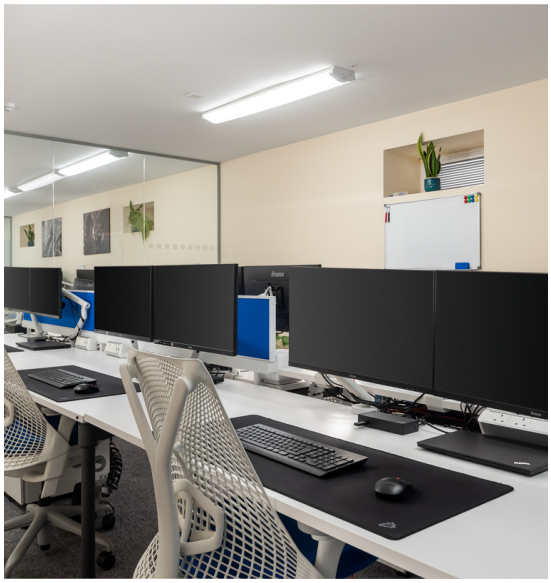
Redundancy and Geographic Diversity: Leading cloud providers offer redundancy and geographic diversity, ensuring data and applications can be quickly and easily replicated in multiple locations. This minimises the risk of data loss in the event of a disaster.

Internet Dependency: Cloud-based solutions rely on internet connectivity, which can be a concern if an organisation operates in an area with unreliable or limited internet access.

CHOOSING THE RIGHT STRATEGY

The choice between on-premises and cloud disaster recovery depends on an organisation's specific needs, budget, and risk tolerance. Many organisations are adopting a hybrid approach, combining both on-premises and cloud solutions to achieve a balanced disaster recovery strategy.

In conclusion, disaster recovery is a critical aspect of business continuity. While on-prem solutions offer control, cloud-based solutions provide cost-efficiency, scalability, and geographic diversity. Organisations must assess their unique requirements and risks to determine the most suitable strategy or a combination of both to ensure the uninterrupted operation of their IT infrastructure in the face of unforeseen disasters.
If you have any questions speak to one of our qualified team members.



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